

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 January 2001 (11.01.2001)

PCT

(10) International Publication Number
WO 01/01937 A1

(51) International Patent Classification⁷: **A61K 7/06**

(21) International Application Number: **PCT/US00/17648**

(22) International Filing Date: **27 June 2000 (27.06.2000)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:
PCT/US99/15112 2 July 1999 (02.07.1999) US

(71) Applicant (for all designated States except US): **THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).**

(72) Inventors; and

(75) Inventors/Applicants (for US only):
VENKATESWARAN, Ananthanarayan [IN/JP]; 1-4-127-904, Koyo-cho, Naka Higashinada-ku, Kobe, Hyogo 658-0032 (JP). NAKAMURA, Kiichiro [JP/JP]; 1-10-101-3702, Koyo-cho, Naka Higashinada-ku, Kobe, Hyogo 658-0032 (JP).

(74) Agents: **REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).**

(81) Designated States (national): **AE, AG, AL, AM, AT, AT (utility model), AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility model), DK, DK (utility model), DM, DZ, EE, EE (utility model), ES, FI, FI (utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR (utility model), KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.**

(84) Designated States (regional): **ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).**

Published:

— *With international search report.*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **HAIR CONDITIONING COMPOSITION COMPRISING CATIONIC SILICONE EMULSION**

(57) Abstract: Disclosed is a hair conditioning composition comprising by weight: a) from about 0.1 % to about 20 % of a cationic silicone emulsion comprising by weight of the cationic silicone emulsion from about 1 % to about 20 % of a cationic surfactant; and an emulsifiable amount of a silicone compound having a particle size of less than about 50 microns; b) from about 0.1 % to about 15 % of a high melting point fatty compound having a melting point of 25 °C or higher; c) from about 0.1 % to about 10 % of a cationic conditioning agent; and d) an aqueous carrier.

WO 01/01937 A1